

## REMARKS

Claims 1, 3-7, 9-19, 21-27, 29-34, 36-41, and 43-50 remain in this case. Claims 2, 8, 20, 28, 35 and 42 have been cancelled. Claims 51-53 have been added. Therefore, after entry of the above amendments, claims 1, 3-7, 9-19, 21-27, 29-34, 36-41, and 43-50-53 will be pending in this application. Applicants believe that the present application is now in condition for allowance, which prompt and favorable action is respectfully requested.

### *Claim Rejections – 35 USC § 103*

#### *A. Claims 1-7, 9-11, 13-27, 32-41, 43 and 45-50*

Claims 1-7, 9-11, 13-27, 32-41, 43 and 45-50 are rejected under 35 USC § 103(a) as being obvious over Kim (US Pub. 2003/0078061) in view of McGarrahan *et al.* (US Pub. 2003/0026424). Applicants have amended the above claims to overcome this rejection.

In conventional multimedia broadcast systems, control data is transmitted with multimedia data. This reduces the bandwidth that is available to carry the multimedia data. Moreover, transmitting certain control data, such as decryption keys, with the multimedia data poses security risks. Applicant discloses a novel and unobvious solution which entails separating the multimedia data and control data onto separate physical channels. In one embodiment disclosed by Applicant, the multimedia data is transmitted over a wireless broadcast link and the control data is transmitted over a bidirectional wireless link. As recited in claim 1:

“the wireless broadcast link and the bidirectional wireless link are separate physical channels”<sup>1</sup>

(emphasis added).

In rejecting the claims, the Examiner relies on Kim for disclosing separate broadcast and control channels. More specifically, the Examiner points a common traffic broadcasting channel that carries broadcasting traffic and a secured signal channel carrying control signals. However, in contrast to Applicant’s approach, “the secured signal channel for the common traffic broadcasting channel . . . is configured to be mapped in time division onto an identical physical

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<sup>1</sup> Claim 1, as amended, requires that the multimedia stream and control data be transmitted on separate physical channels. This is supported in the specification in FIG. 1 and the accompanying text where two separate

channel. (Kim, ¶ [0017]) (emphasis added). This is further illustrated in FIG. 11 of Kim, where the secured signal channel is shown “mapped in time division to a part of the physical channel” carrying the common traffic broadcasting channel. (Kim, ¶ [0054]). There is simply no teaching in Kim, or any other reference cited by the Examiner, that suggest transmitting multimedia and control data on separate physical channels. According, claim 1 is patentable over Kim and McGarrah. Claims 17, 34, and 47 contain similar limitations, and therefore, are also patentable over Kim and McGarrah.

In view of the foregoing amendments, Applicant respectfully requests that the rejection of claims 1, 17, 34, and 47, and all claims dependent therefrom still pending in this case, be withdrawn.

**A. Claims 1-7, 9-11, 13-27, 32-41, 43 and 45-50**

Claims 12, 31 and 44 are rejected under 35 USC § 103(a) as being unpatentable over Kim in view of McGarrah *et al.* and further in view of McClellan (US Pub. 2004/008794). In rejecting these claims, the Examiner relies on Kim for disclosing separate broadcast and control channels. Accordingly, for the reasons set forth above, these claims are also patentable over the combination Kim, McGarrah, and McClellan

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wireless transceivers are shown: one wireless transceiver 24 for the wireless broadcast link 14 and another wireless transceiver 38 for the bidirectional wireless link 36.

**CONCLUSION**

In light of the amendments contained herein, Applicants submit that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

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